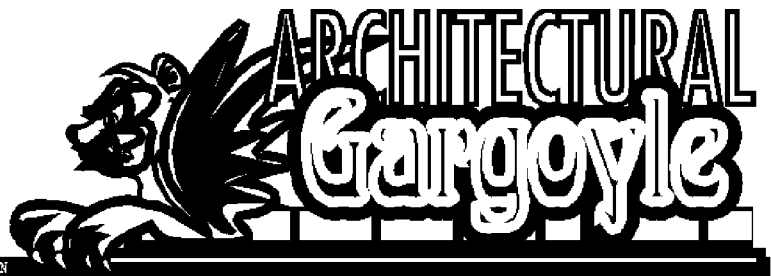


**US Army Corps
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Headquarters



AN INFORMAL PUBLICATION

April 1997

The **Gargoyle** is an informal news publication issued by the Architectural and Planning Branch (CEMP-EA), HQUSACE, for architects, interior designers, and landscape architects throughout USACE. This is our twenty-second edition. We ask that this news be **widely distributed in your area.**

Gargoyle Basics

- The **Gargoyle** is distributed by e-mail to the addressees we have on our list of USACE Architectural Points of Contact. Please let us know if your address changes to help us keep you in the loop. Your **comments, recommendations, and questions about individual Gargoyle topics** may be directed to the points of contact provided with each article. E-mail addresses and phone numbers for HQUSACE contributors are provided at the end of each edition. We also welcome your contributions. **Information and news of interest to, or about, USACE architects, interior designers, or landscape architects should be e-mailed to Rick Dahnke.** Past and present **Gargoyles** are available on our Branch Home Page at http://www.hq.usace.army.mil/cemp/e/ea/cemp_ea.htm.

Upcoming Events

- The 1997 USACE Architect, Landscape Architect, and Interior Designer Symposium/Workshop is scheduled for 4 thru 8 August 1997. The symposium will be held in Austin, TX, at the Omni Austin Hotel, Downtown. The theme of the symposium is **"Facilities Design and Installation Engineering for Force 21."** An agenda and instructions for registration will be provided in the near future.

- **Contact Ed Racht for additional information.**

- **Conference on Universal Accessibility.** The AIA and the Access Board are bringing together many of the nation's top experts on accessible design at a two-day conference to be held on 12 and 13 June 1997 at the Renaissance Hotel in Washington, DC. **According to Access Board Chairman Patrick D. Cannon,** the conference "will address issues that have a significant daily impact on the work of architects and designers and on the lives of people with disabilities." Conference fees are \$395 for AIA members or members of cosponsoring organizations and \$495 for non-members. The conference will feature speakers from the Access Board, the Department of Justice, The AIA, the Building Owners and Managers Association, the Paralyzed Veterans of America, and a number of other public and private organizations. Speakers and panelists will discuss topics such as building code certification, architect liability, and what to do in the absence of guidelines. Registration packets are available now and may be obtained by calling either (301) 694-5243 or (202) 272-5449 (TTY). **For additional information, contact either Christine M. Windle, (202) 626-7507, or John Moore, (202) 626-7375.**

- **The 1998 Chief of Engineers Design and Environmental Awards Program.** The instructions for the 1998 awards program have been assembled and the memorandum announcing the program is being staffed for signature prior to distribution. The instructions will also be available through the Internet. This biennial program has been in existence since 1965. Over the years, a total of 423 awards have been given. The objectives of the awards are

to recognize and publicize the achievement of design excellence as it relates to the various design professions and the natural and built environment. The 1996 program had 21 Civil Works and 46 Military Program projects competing. Two independent juries selected 25 projects to receive recognition. Submissions for the 1998 program are due not later than Friday, 30 January 1998. **Contact Dale Moeller for additional information.**

Personnel News

- **1997 Architect of the Year.** Congratulations go to **Mr. Robert E. Riffel** from the U.S. Army Engineering and Support Center, Huntsville, for being named the **1997 USACE Architect of the Year**. On 26 March 1997, an independent panel of jurors met to select the winner of this year's award. The panelists included Joseph Wisniewski, FAIA, from Wisniewski Blair and Associates, Robert Wallach, AIA, from CHK Architects and Planners, Inc., and Ronald J. Hubbard, AIA, from C&H Associates, Inc. The selection was very competitive, and the jury found it difficult to single-out only one nominee, but Mr. Riffel was their selection. Letters of recognition have been signed and sent to all candidates, and letters of gratitude have been sent to the jurors. Mr. Riffel will receive his award at the 1997 Architects', Landscape Architects', and Interior Designers' Symposium/Workshop this August. **Congratulations Bob.**

- **1997 Landscape Architect of the Year.** Congratulations also go to **Ms. Rosanna S. Brown** from the Fort Worth District for being named the **1997 USACE Landscape Architect of the Year**. On 26 March 1997, an independent panel of jurors met to select the winner of this year's award. Panelists included Darwina Neal, FASLA, from the National Park Service, D. Gregory Ault, ASLA, from EDAW Inc., and Charlie Bailey, ASLA, from LDR International, Inc. Again, the selection was very competitive with the jury finding it difficult to single-out only one winner--Ms. Brown. Letters of recognition have been signed and sent to all candidates, and letters of gratitude have been sent to the jurors. Ms. Brown will also receive her award at this year's Architects', Landscape Architects', and Interior Designers' Symposium/Workshop. **Congratulations Rosanna.**

- **Contact Dale Moeller for additional information about these two award programs.**

- Also, **Honor Awards** were recently presented to two team members in CEMP-EA for their contributions to

USACE. **Florence Thomas** received the **Achievement Medal for Civilian Service** for her sustained exceptional service from January 1996 to January 1997 in coordinating, editing, and publishing the Engineering Improvement Recommendation System (EIRS) Bulletin for Engineering Division, Directorate of Military Programs, and **Rick Dahnke** received the **Commander's Award for Civilian Service** for his leadership support to the Defense Standardization Program initiative to remove MIL-SPECS/STDS and FED-SPECS/STDS from USACE solicitations and contracts.

DA Facilities Standardization Program

- **Barracks.** Construction of the FY 94 Ft. Rucker barracks project was completed on 18 February 1997. The beneficial occupancy date is 5 May 1997. Currently, furniture and furnishings are being installed in the barracks buildings and the soldier community building. The barracks project, using the design build acquisition process, is the first to be completed based on the new 1+1 barracks criteria. Module A (exterior stairwell entrances) was used and will provide two individual sleeping rooms for soldiers, bathroom for a maximum of two soldiers per module, and a service area to include sink, counter top, storage cabinets, and refrigerator. The Ft. Rucker project will house 384 soldiers. **Additional information on barracks issues may be obtained from Al Young.**

The Barracks Upgrade Program (BUP)

- On 21 April 1997, Ft. Worth District distributed the standard design package for the upgrade of BB&A (Benham, Blair & Affiliates) type existing barracks. Both the LBC&W (Lyles, Bissett, Carlisle & Wolfe) and BB&A Standard Design Packages are now distributed to the geographical districts along with the Architectural and Engineering Instructions (AEI) for BUP. This AEI is also available on TECHINFO. (The TECHINFO web site is identified towards the back of this *Gargoyle*.)

Seismic and Value Engineering requirements issued in the AEI for BUP have been revised by EIRS Bulletin 97-03.

A meeting is scheduled with the MACOM Engineers on 29 April 1997 at Ft. Leonard Wood to discuss the standard design packages for LBC&W and BB&A.

- **For additional information on BUP and Installation Support issues, please contact Stan Swofford.**

Expansion of Arlington National Cemetery

• Land Development 90, Arlington National Cemetery.

An informal meeting was held on 13 March 1997 at the National Capital Planning Commission (NCPC) between NCPC Staff, Baltimore District, and CEMP-EA. Purpose of the meeting was to introduce the project to NCPC for informal coordination which consists of 1.6 hectares (40 acres) presently being used as a disposal yard to be used as expansion to Arlington. As designed, this project will finish the formal layout of roads and boundary walls on the east side of the cemetery near the columbarium. The project is to be developed in three phases, i.e., earthwork and grading with utilities, roads and some landscaping, and boundary wall with final landscaping. Projected completion date is 2003. Formal presentation to NCPC will take place later this year. **Contact Dale Moeller for additional information.**

Interior Design News

• **Pre-wired Workstations in Military Construction.** On 10 January 1997 the Secretary of the Army General Counsel (SAGC) issued their position on the acquisition of pre-wired workstations for Ft. Leavenworth Disciplinary Barracks. They supported the USACE position that pre-wired workstations are integral to the construction of the building when they are hard wired to the facility. UNICOR objected to this determination in a memorandum from Deputy Attorney General, Jamie S. Gorelick, to Secretary of the Army, Togo West.

Deputy Assistant Secretary of the Army for Manpower and Reserve Affairs, Todd Weiler, is the DoD Member of the UNICOR Board of Directors. He initially requested the SAGC determination. In an effort to placate UNICOR, Secretary of the Army will likely respond to Deputy Attorney General, Jamie S. Gorelick, that we will change our policy and declare that pre-wired workstations are furniture. This would end the provision of pre-wired workstations in construction contracts. Mr. Weiler has requested that the Assistant Secretary of the Army (Installations, Logistics and Environment) ask DoD to change existing policy, based on this position. Steve Schwalb, Assistant Director of Industries, Education and Vocational Training has sent Mr. Weiler's memorandum to all UNICOR staff as the Army policy. To date, the Secretary of the Army has not endorsed this policy. UNICOR is now threatening legal action against USACE if we do not accept this position. As of this date, the

issue has not been resolved.

• **Interior Design: Goals, Processes, and Issues, PROSPECT 335.** Response was inadequate to field a session of this course in FY 98. Nineteen reservations were received of the 33 needed to cover the course tuition of \$1,290 per student. As a result, no session will be offered 24-28 April 1998 in Washington, DC. The course will be rescheduled in FY 99.

• **For information on the above interior design issues, please contact Frank Norcross.**

Historic Preservation

• **Historic Structures, Craft Skills Training, PROSPECT 163,** was surveyed for two sessions in FY 98, Fort Sam Houston, San Antonio, TX, 9-13 February 1998; and Fort Monroe, Hampton, VA, 4-8 May 1998. Neither session generated enough requests to field a course. As a result, the San Antonio session is being held open for additional reservations until 1 August 1997. Sixteen additional reservations are needed to field the course in FY 98. **Please contact the CEHNC Registrar for reservations at (205) 895-7420.**

• **Historic Structures, Maintenance and Repair, PROSPECT 392,** may still be offered in Seattle, WA, 16 thru 20 March 1998, at a tuition \$1,120 if 13 additional requests for the course are received by 1 August 1997. Normally a double session of 64 persons is offered. At present, only 32 reservations have been received. **Please contact the CEHNC Registrar for reservations at (205) 895-7420.**

• **For additional information on historic preservation issues, please contact Frank Norcross.**

Roofing News

• **ROOFING TECHNOLOGY (ADVANCED), PROSPECT #142.** This course has surveyed for two sessions of 40 persons each for FY 98. The course sessions are 15-19 June and 22-26 June 1998 in Huntsville, AL. The course will provide students with the revised fourth edition of The National Roofing Contractors Association (NRCA) *Roofing and Waterproofing Manual*. This is the best reference document currently available for roofing details, is referenced in CEGS, and is a \$200 value. The fourth edition is two 3" binders. It is also available in CD-ROM

format. Course tuition is \$900 for FY 98. **Contact the Huntsville Registrar, Josephine Dooley, CEHNC-TD-R, (205) 895-7420, for reservations. For additional information on roofing systems, please contact either Frank Norcross or Jeff Hooghouse.**

Lead-Based Paint (LBP) and Asbestos News

- Due to continued unexpected discovery of LBP, asbestos, and other hazardous materials during construction, HQUSACE is working on a Business Process Improvement Initiative to establish procedures for project-related hazardous and toxic material assessments. This initiative is being modeled after a current CESWF process to determine overall project costs and scope during pre-design and design.

As part of the effort, responsibility for all hazardous and toxic assessment and remediation issues, criteria, and guidance will be consolidated under the Environmental Restoration Division (CEMP-RT) to maximize resources and fully utilize the HTRW Technical Center (CEMRO-HX). Guidance and environmental compliance issues related to asbestos, PCBs, and other toxic pollutants have already been addressed by CEMP-RT for over ten years, and CEMRO-HX currently provides Corp-wide technical support for project and criteria development involving various hazardous materials, including LBP. As guidance concerning remediation of existing LBP was designated to CECPW by the ACSIM as the Army lead for LBP policy, this consolidation comes with the understanding that CEMRO-HX will include CECPW as a team member for criteria development. Standards and criteria resources will be programmed to help fund needed criteria beginning with the FY 98 program year.

- **Contact Rick Dahnke for additional information.**

Millimeter (mm) News

- **Revision to Guide Specifications.** Notice changes to several guide specifications will be forthcoming to accommodate provisions of the recently passed metric law, P.L. 104-289, Savings in Construction Act of 1996. HQUSACE issued a memorandum on 13 December 1996, subject: Metric Design Policy for Specifying Modular Metric Products, that offers prime contractors the choice of using either metric or inch-pound (soft metric) concrete masonry units (CMU) and recessed light fixtures (RLF). Changes to the following guide specifications are necessary to clarify

contractor options on the use of inch-pound substitutes for CMU and RLF in our metric projects: CEGS-01415, Metric Measurements, CEGS-04200, Masonry, CEGS-04255, Non-Bearing Masonry Veneer/Steel Stud Walls, CEGS-09510, Acoustical Ceilings, and CEGS-16415, Electrical Work, Interior. These changes were originally recommended by the Omaha District and will provide guidance on how to use inch-pound CMU and RLF products in metric designs without compromising the quality of design. Please ensure that CEGS-01415, Metric Measurements (formerly CEGS-01030), is included for all metric projects. **For additional metric information, contact Ami Ghosh.**

Criteria Updates and Electronic Publishing

New DoD Instruction Update. The final draft of the Department of the Defense Instruction (DoDI), *Facility Planning, Engineering, Design, Construction, Operations, and Maintenance Criteria*, developed to supersede MIL-HDBK 1190, was forwarded to Army, Air Force, Navy, and Marine Corps team members for coordination. A meeting will be scheduled shortly with the Office of the Assistant Secretary of Defense, OASD(ES), for final approval of the DoDI. **For additional information, contact Al Young.**

- **Revision of the AEI for Design Criteria.** A complete revision of this AEI is underway for anticipated publication in the third quarter this year. We invite your input to help us with this initiative. **E-mail comments to Rick Dahnke.**

- **CADD Design Library.** A meeting was held on 24-25 April 1997 with representatives from HQUSACE, CEWES, Huntsville Engineering and Support Center, Norfolk District, and Savannah District to discuss procedures, format, and guidance for the inclusion of approved DA Facilities Standardization Program standard design packages into the CADD Design Library. Also discussed were the controls required to include completed DA standard design projects into the CADD Design Library. (The web site for this library is provided in the following article under "Library of CADD Designs"). **Contact Jeff Hooghouse for information.**

Important Internet Web Sites

- **Our Branch Home Page**, which is always under design, provides easy access to hot topics and guidance that the Branch is responsible for. We welcome your input to help us improve communication, share lessons-learned, and provide the information you need. **Send comments and**

suggestions to us directly from the Home Page at http://www.hq.usace.army.mil/comp/e/ea/comp_ea.htm.

- **The Installation Support Home Page** provides topical guidance, the current list of USACE Design Champions for Installation Support (DCIS), and the AEI for Installation Support. **This site is located at <http://www.hq.usace.army.mil/comp/e/comp-e.htm>.**

- **The USACE Publications Library** will eventually provide access to all official DA and USACE circulars, manuals, regulations, and other documents originating from HQUSACE and issued by the Directorate of Information Management. These publications are being uploaded as they are digitized and converted to PDF (Portable Document File) Format. This initiative is anticipated to be completed with all pubs on-line by the end of this fiscal year. **The library site is located at <http://www.usace.army.mil/inet/usace-docs/>.**

- **TECHINFO** links to the USACE Publications Library to single-out the engineering, design, and construction-related DA and USACE publications needed by USACE design and construction team members. **TECHINFO** is also the official HQUSACE-sponsored site where CEGS, CEAGS, and CWGS are maintained and issued, along with approved Architectural and Engineering Instructions (AEI), Engineering Instructions (EI), Engineering Improvement Recommendation System (EIRS) Bulletins, and related support documents. **This site is located at <http://www.hnd.usace.army.mil/techinfo/tiindex.html>.**

- **The Construction Criteria Base (CCB)**, maintained in CD-ROM and on-line formats by the National Institute of Building Sciences (NIBS), also contains all USACE engineering, design, and construction criteria, as well as related criteria issued by other military, Federal, and private sector organizations. In the near future, NIBS will link to TECHINFO to access our consolidated criteria database for distribution on CCB. This will ensure that we have the same guidance published on all of our distribution sources. **The Internet version of CCB is located at <http://www.nibs.org/ccb>.**

- **The SPECSINTACT (SI) Home Page**, maintained by the Kennedy Space Center (KSC), accepts user feedback and provides access to the latest software releases, software release notes, the on-line *User Guide*, lessons learned, and other current news. **The SI site is located at <http://www-de.ksc.nasa.gov/specsintact>.**

- **The Library of CADD Designs** is maintained by the Tri-Service CADD/GIS Technology Center at CEWES and contains CADD drawings for USACE projects, CADD details, and standard symbols available for viewing and downloading. **This site is located at <http://cadlib.wes.army.mil/cadlib.htm>.**

- **Accessibility Publications.** Americans with Disabilities Act (ADA) materials are on-line at <http://www.usdoj.gov/crt/ada/publicat.htm>.

- **For more information, contact Rick Dahnke.**

Modular Design System (MDS) News

- On 26 March, a briefing was held to discuss the current status of MDS and the potential benefits that the program has for the MILCON program. While additional development is needed to realize all of the potential benefits, additional funding will be sought to continue MDS development and enhancement.

MDS v2.0 was completed on 15 April 1997 and is being compiled with the system manuals on CD-ROM to be delivered in the near future to U.S. Army Reserve Regional Support Command elements and USACE districts that have MDS-trained design teams. Currently, the following offices have completed MDS Designer's Package PROSPECT training: CEORL, CESAS, CESWF, CENPS, CESPK, CEMRO, and CEHNC. Version 2.0 of MDS contains new features such as metric or inch-pound (IP) system design capability, multi-story building design, choice of MDS hybrid (commercial type) specifications developed for Army reserve component projects or USACE CEGS, multi-discipline network support, MicroStation95™ operability, and the ability to create/edit modules for MDS with automated database linkages. This new version of MDS affords the opportunity for planning, programming, and design of buildings other than U.S. Army Reserve projects, so it can be used as a new design tool by those districts wishing to use it.

- **For more information, contact Daniel W. Duncan.**

SPECSINTACT News

- CEMP-EA 14 April 1997 memorandum to USACE MSC and Regional Headquarters mandates the use of SPECSINTACT (SI) for in-house and A-E production of project specifications for all FY 00 and future military

projects where use of CEGS or CEAGS is required by regulation. This policy also applies to those projects which may be deferred to FY 00 or beyond, if received prior to 35 percent concept design completion. Specifications for projects passed the 35 percent design stage that have been shelved, or for completed projects that may be deferred to FY 00 or beyond, need not be revised solely for the sake of using SI. This policy has been incorporated into ER 1110-345-700, Drawings, Design Analyses, and Specifications (consolidating and superseding ER 1110-345-700, 710, and 720), which will be published in May 1997.

This decision follows the pending publication of Civil Works ER 1110-2-1201, Specifications Engineering, dated 30 June 1997 (in final preparation and scheduled to be printed and distributed by 30 June 1997), which mandates that a requirement to use SI for production of Civil Works project specifications will be included in all procurement of A-E design services beginning 30 June 1997 and that, effective 30 June 1998, SI is required to be used for producing all Civil Works project specifications.

We will need your recommendations, feedback, and lessons learned to help us maintain the SI system state-of-the-art and responsive to your needs. For offices that may need assistance with the system, Kennedy Space Center (KSC) maintains a dedicated User Support Desk at (407) 853-2291. Additionally, CECW-EP has arranged for on-site SI training and the PROSPECT Course 185, Specification Writing for Construction Contracts, has been expanded to include four hours of SI job processing and editor instruction.

As a reminder, the beta release of **WordSpec** for using SI with Microsoft Word is still being tested in many offices around the country. **The current release of WordSpec is Beta v0.3** and is available for downloading from the SI Home Page. Participating offices will be given technical support and will be asked to provide feedback regarding performance of the software. For testing purposes, you need to have **SI with SGML** and Microsoft Word 6.0c or Word 7.0, as well as access to the SISGML guide specifications on either CCB or TECHINFO. The latest release of **SI with SGML, v2.1.4**, is also available from the SI Home Page, as well as on TECHINFO and CCB Volume 40 to be distributed by mid May.

The biannual SI Interagency Configuration, Control, and Coordinating Board (SI-CCCB) Meeting was held 23-25

April 1997 at NAVFAC and was attended by representatives from NASA, EG&G (NASA contractor), Navy, and USACE. Included was a joint session with Tri-Service CADD and Cost POC to brain-storm the CADD/GIS Center project to link MCACES and SI with CADD. It was decided to proceed with this project by testing an existing 3rd party add-on program for AutoCAD that identifies materials and products on drawings using "key numbers" that can be tied to spec section numbers and individual items defined in specs and the MCACES Uniform Price Book. This will ensure that drawing decisions will be automatically reflected and validated in project specs and cost estimates. A follow on meeting is scheduled in May 1997 to establish key numbering protocol. SI software and guide spec changes will be required to accommodate key numbering.

Another Board decision will result in SI changes by 1 October 1997 to allow automatic generation of CEAGS from parent CEGS, eliminating the need to maintain two separate databases. This will require re-coding of certain CEGS, which is expected to begin next FY.

- **For more information, contact Rick Dahnke.**

Streamlining Specifications

- **Revised Numbering of Guide Specification.** We have begun revising CEGS and CEAGS section numbers to conform to the 1996 release of MasterFormat, 1995 Edition, from the Construction Specification Institute (CSI). This will be a phased effort, and CEGS/CEAGS will be renumbered as required when the specifications are programmed for an update. Revised CEGS and CEAGS will be available on TECHINFO as the specifications are approved.

- CEMP-EA will coordinate a joint HQUSACE, NAVFAC, and NASA meeting to unify and streamline submittal descriptions required by the three agencies under Section 01300, Submittal Procedures. Currently, the SI System includes 19 descriptions to accommodate all requirements; only 10 of these are used by USACE. Resolution of these differences will move us closer to one set of specs for the Services.

- **For more information, contact Rick Dahnke.**

Medical Facilities Office News

- **The 1997 National AIA Convention.** The Corps has been invited again this year to participate in the Federal

Agency Interview Program at The American Institute of Architects (AIA) Convention and Design Exposition in New Orleans, LA, 15-18 May 1997. The Corps will occupy Booth #2139 on the exposition floor of the Ernest N. Morial Convention Center.

Participants from the Corps include Lawrence P. Delaney, AIA, CEMP-EM, Jean A. McGinn, AIA, CEMP-EC, Jesse H. Kidd, II, AIA, CESWF-ED-DA, Curtis W. Delaune, R.A., CEMVN-ED-DG, and Thomas H. Verdel, III, R.A., CESWT-EC-DM.

The Federal Agency Interview Program provides architects a chance to explore design-contract opportunities with the Federal government. AIA members have an opportunity to schedule 20-minute, one-on-one interviews with more than 40 representatives from at least a dozen major agencies, including the Air Force, Postal Service, Departments of State and Veterans Affairs, Rural Housing and Community Development, General Services Administration, National Institutes of Health, National Park Service, Naval Facilities Engineering Command, and of course, the Corps.

In conjunction with the Federal Agency Interview Program, The AIA has also planned a continuing education seminar "Accessing Federal Design Markets". Mr. Delaney will be one of several speakers at this seminar.

- For additional information, contact Larry Delaney.

Definitions

- **Definition for this Issue:** *SACELLUM*--a small Roman sanctuary, usually an unroofed enclosure with a small altar; sometimes, a roofed funerary chapel.
- **Next Issue's Definition:** *SALLY?*

Gargoyle Contributors

Tom Kenney, Chief, CEMP-EA, telephone DSN 763-0438 or (202) 761-0438, or e-mail "thomas.kenney@inet.hq.usace.army.mil".

Rick Dahnke, CCS, CEMP-EA, telephone DSN 763-1203 or (202) 761-1203, or e-mail "rick.dahnke@inet.hq.usace.army.mil".

Larry Delaney, RA, CEMP-EM, telephone DSN 763-1545 or

(202) 761-1545, facsimile DSN 763-0959 or (202) 761-0959, or e-mail "larry.delaney@inet.hq.usace.army.mil".

Dan Duncan, CEMP-EA, telephone DSN 763-0437 or (202) 761-0437, or e-mail "duncand@inet.hq.usace.army.mil".

Ami Ghosh, CEMP-EA, telephone DSN 763-8603 or (202) 761-8603, or e-mail "ami.ghosh@inet.hq.usace.army.mil".

Jeffery T. Hooghouse, CEMP-EA, telephone DSN 763-1069 or (202) 761-1069, or e-mail "jeffery.hooghouse@inet.hq.usace.army.mil".

Dale Moeller, RLA, CEMP-EA, telephone DSN 763-8814 or (202) 761-8814, or e-mail "dale.moeller@inet.hq.usace.army.mil".

Frank A. Norcross, RA, CEMP-EA, telephone DSN 763-0881 or (202) 761-0881, or e-mail "frank.norcross@inet.hq.usace.army.mil".

Ed Racht, RLA, CEMP-EA, telephone DSN 763-8816 or (202) 761-8816, or e-mail "ed.racht@inet.hq.usace.army.mil".

Stan Swofford, AIA, CEMP-EA, DSN 763-0441 or (202) 761-0441, or e-mail "stanley.swofford@inet.hq.usace.army.mil".

Al Young, CEMP-EA, telephone DSN 763-0435 or (202) 761-0435, or e-mail "albert.young@inet.hq.usace.army.mil".